

The New Jersey Department of Environmental Protection (NJDEP) has issued a Closure Plan Report (April 2004) to address ground water contamination at the 5 Devon Avenue site in Medford Township, New Jersey.

Site Location:

The site is located in a residential area of Medford Township, Burlington County adjacent to Taunton Lake and a municipal beach. The site consists of two separate lots; Block 5701, Lot 4 (5 Devon Avenue) and a portion of Block 5701, Lot 1. The site lies within the Pinelands Protection Area.

Remedial Action Selection:

As a result of a leaking residential No. 2 fuel oil underground storage tank, an oil sheen was observed in a drainage swale which emptied into Taunton Lake in April 1993. NJDEP undertook emergency remedial actions, which included removal of the tank, excavation of contaminated soil, construction of an interceptor trench to contain the free product and an active free product recovery/ground water treatment system. Surface water, sediment and soil samples were collected during the Remedial Investigation (February 2004) and revealed that no contaminants were detected above applicable cleanup criteria. Field investigations conducted during the Remedial Investigation revealed no observable free product in the ground water. Concentrations of ethylbenzene, toluene and xylene exceeding Pinelands Ground Water Quality Standards remain. These contaminants are projected to naturally degrade in a fairly short timeframe. Therefore, the NJDEP proposes Monitored Natural Attenuation with institutional controls as the Preferred Remedial Alternative. The institutional controls will include establishing a Classification Exception Area and Well Restriction Area. The NJDEP will monitor the ground water on a quarterly basis for up to two years.

The NJDEP will shut down the current product recovery/treatment system and will monitor the site for any reoccurrence of free product. The dissolved phase contaminant levels will be monitored through quarterly sampling and analysis. After a maximum of two years of monitoring, the NJDEP will evaluate the results and determine if any additional action is warranted. If at any point during the two-year monitoring period, the results reveal that all contaminants meet the Pinelands Ground Water Quality Standards, the NJDEP (in consultation with the Pinelands Commission) will have the option of issuing a no further action for the site. Also, if at any time, free product is observed or the dissolved phase contaminant levels increase or remain the same, the NJDEP will re-evaluate appropriate remedial actions including restarting the product recovery/treatment system.